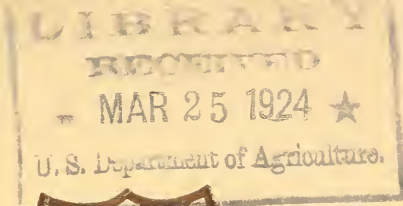


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Do not assume content reflects current scientific knowledge, policies, or practices.

62 57



Garden Roses
and
Hardy Perennials

SPRING 1924

William B. Duckham

MADISON
NEW JERSEY

INTRODUCTION



HE name Duckham is not new to American flower lovers—in fact it has for many years carried an enviable reputation in connection with Rose Culture and has time and again been honored with the blue ribbon at competitive exhibits all over the United States. Many of the leaders in this noble race of flowers have been popularised by careful culture and patient watchfulness by experts at our huge Madison Greenhouses and Trial Grounds.

There are thousands of successful Rose enthusiasts today who proudly attribute the enjoyment of their Roses (particularly garden varieties) to the good judgment, reliable advice, and sturdy plants purchased from me.

It is not my object to confuse my readers with a long list of names that make an intelligent choice difficult; on the contrary I offer a carefully chosen few that years of trial have convinced me are all vigorous hardy kinds and most desirable for the average American garden.

The numerous unsolicited testimonials that incessantly come to me through the mail are ample proof to me, that my endeavors to select and grow only the best roses, have been thoroughly appreciated by those who have tried them. (*See inside back cover.*)

The stock that I am offering for this season (owing to a favorable growing year in 1923) is better, I think, than I have ever before sent out, by which I hope to considerably increase my already long list of well-pleased customers.

From time to time I have been urged by my numerous patrons to utilize the value of my long European connections to introduce into American gardens some of the novelties in PERENNIAL PLANTS from the other side.

For the past few years during my frequent visits to England and other European countries I have secured considerable stocks of notable novelties that showed remarkable improvement both in color and size of bloom over the older varieties.

Delphiniums, Pyrethrums, Aquilegias, Gaillardias, etc., particularly, have commanded my attention and all those listed hereafter have been carefully tested and have shown their ability to withstand the extremes of our American winter and summer climates. In this list are included most of the popular Perennials worthy of a place in liberal quantities in every hardy garden.

As a general rule I recommend field-grown divisions, as they invariably give quickest and best results, but I can also supply pot grown plants of most varieties for those who prefer them.

WILLIAM C. DUCKHAM,
Madison, N. J.



ONE OF MY ROSE FIELDS IN FULL BLOOM

Business Terms

TO INSURE early deliveries of roses, and to avoid disappointments, it is necessary to order early.

SHIPMENT will be made by American Railway Express, unless advised otherwise.

TERMS:—Cash, or satisfactory references must accompany all orders from unknown parties.

I GUARANTEE my stock to be extra strong, but assume no responsibility after shipment has been made. I also wish to emphasize the fact that all Roses I send out are vigorous, healthy and true to name.

In the event that I should be sold out of any variety ordered, will substitute the nearest variety of equally good stock and similar in color, unless order is marked "No SUBSTITUTION."

Prices

All roses listed in this catalogue, unless otherwise noted, are \$1.00 each; \$10.00 a dozen; \$80.00 per hundred.

Planting and Pruning Roses

Planting To be successful in growing roses, next to securing good stock, is the preparation of the soil. I would advise having the beds or ground where the roses are to be planted thoroughly prepared well in advance of planting time. The preparation of the soil is a simple operation by digging a foot or eighteen inches deep, thoroughly mixing in at the time of digging, plenty of well rotted manure. The addition of a little ground bone will be found beneficial. After the whole is dug, it is advisable to repeat the operation, for then you are sure that the manure is thoroughly mixed with the soil. Immediately upon receipt of your rose plants unpack them in a cool and shady place, sprinkling them with water. If your beds have previously been prepared the sooner the roses are planted in their permanent positions the better. If, however, this has not already been done it is advisable to "heel in" the rose bushes temporarily until they can be placed in their permanent positions. In planting care should be exercised to make the hole larger than the root-diameter. Fill in with rather fine soil about the roots, using great care to make the soil very firm about them. After planting, thoroughly soak the soil with water to depth that it has been dug. Should the season be any way dry give thorough soakings at least once a week. After the roses are growing well a mulch consisting of straw-manure or decayed leaves over the ground prevents them from drying out too rapidly and keeps the soil in a much better and humid condition.

Pruning Next in importance to the selection of locality, and the careful preparation of the ground is the pruning of roses; in fact I consider pruning exceedingly important, because without it, you can never get vigorous growth and large blooms.

Visit the garden of any successful amateur rose grower during the latter end of February or early March and note the appearance of the bushes. If it should be a new planting of 2-year bushes, the pruned stubs will be scarcely discernible peeping over the litter of manure covering the bed. Older bushes will have all the old wood cut away and the previous year's green growths cut back to within 2 or 3 eyes of the hard wood. Such an inspection will teach more than I can put in pages, and a few minutes' talk with the owner or gardener will indelibly impress upon your mind the object and importance of pruning. Most amateurs are afraid to use the knife or shears vigorously, and many of the fairer sex class an expert operator among criminals.

A conception of the principle of pruning may be gathered by comparing the sap in a rose shoot to a slowly moving river; it continues its tranquil course along the lines of least resistance. Cutting this shoot or damming the river creates an accumulation of energy at that point that eventually overflows with extraordinary force, bursting forth into as many shoots or rivulets as are necessary to carry off this surplus sap or water. Hence we get 3 or 4 vigorous growths, each carrying a flower on a long strong stem, from the sap that would otherwise have wasted its energy in nourishing one old worn out shoot. Pruning should be done in February or early March. Cut away all old wood (always particularly noticeable in the Rambler class), shorten all the young growths to from 2 to 3 eyes. Don't be as severe with those of vigorous constitution as those of more stunted growth. By careful observation and a little practice you will soon become an adept at getting the best out of your roses.



WILLIAM C. DUCKHAM



A well planned Rose Garden—Varieties carefully chosen, and limited in number

Special Offer

f

12 Best Hardy Garden Roses

(For descriptions see body of catalog)

BETTY
MRS. A. WARD
COLUMBIA
MRS. SCOTT KEY
D'CHESS OF WELLINGTON
MME. JULES BOUCHE

GRUSS AN TEPLITZ
GEO. C. WAUD
LOS ANGELES
MME. BUTTERFLY
MME. EDOUARD HERRIOT
H. V. MACHIN

To give Rose lovers an opportunity of having the finest roses in their gardens, I have selected the above as what I consider the 12 finest Roses in America today. All hardy, ever-blooming, field-grown stock, grafted on the famous *Multiflora Briar*, known for its hardiness and vigor.

Price

The above twelve grand Roses, carefully labeled and packed sent *prepaid* within 200 miles of Madison, N. J., for

\$10

Four

MADISON, N. J.



ROSE "AMERICA"
The Greatest of all the Great New Roses

AMERICA

It blooms continuously from early May until heavy frost, on stems $2\frac{1}{2}$ to 3 feet long, and the color is the most glorious glowing rose-pink imaginable. The buds are long and pointed, and open up most artistically as the outer petals fold back, leaving the high-pointed centre fully exposed.

Price, each \$1.00; dozen \$10.00

Five



WILLIAM C. DUCKHAM

General List of

Hardy Garden Roses

NOTE—The letters "G" and "F" following names of varieties denote the kind of stock:
"G"—Grafted Stock; "F"—Field-Grown; "HT"—Hybrid Tea; "HP"—Hybrid Perpetual



COLUMBIA

Columbia (H. T.)

(F) Probably no rose ever earned such immediate and world-wide popularity as this grand recent introduction. The flowers are a beautiful rich pink that endures with age—extremely vigorous grower and profuse bloomer. Ideal for garden or cutting.

Crusader (H. T.)

(G) Rich crimson scarlet. Flowers large and full. A very desirable bedding rose.

Prices for the above, each \$1.00; dozen \$10.00



Duchess of Wellington (H. T.)

(F) Large oblong buds, opening into full well-formed flowers, of a rich orange yellow color shaded to a deeper flame color. Vigorous habit. Undoubtedly one of the best garden roses in the yellow class.



DUCHESS OF WELLINGTON

Frau Karl Druschki (H. P.)

(F) Unquestionably the finest white rose in existence. The blooms are extremely large, beautifully formed and borne in abundance. Very vigorous.

Francis Scott Key (H. T.)

(F and G) A wonderful color, a perfect bloom; a *real* garden rose. The color is a rich brilliant scarlet; the blooms are large and produced in uninterrupted succession throughout the summer and fall. Deliciously perfumed.

Prices, any of the above, each \$1.00; dozen \$10.00



WILLIAM C. DUCKHAM

George C. Waud (H. T.)

(F) A most distinct Rose because of its wonderful coloring, which is radically different from that of any other variety. The large blooms are glowing orange-vermilion, full, globular, perfect in shape, and possess a very sweet odor. Fine in autumn.

Golden Emblem (H. T.)

(F) A comparatively new Rose of exceptional beauty and merit, supplying a real rich tone of that rare yellow color in roses. Splendid constitution and upright habit.

Each \$2.00; dozen \$22.50

Golden Ophelia (H. T.)

(G) The same character and form as Ophelia, but with a deep suffusion of gold throughout the petals. Extremely handsome.

Gruss An Teplitz (H. T.)

(F) This has long since been named "the red garden rose." It simply blooms itself to death, commencing in June and reluctantly quits when a severe frost puts it to sleep for the winter. The flowers are a rich crimson-scarlet, full formed, on strong stems; a great bedding rose.

H. V. Machin (H. T.)

(F) Huge crimson-scarlet flowers all summer long characterise this best-of-all red roses. The flowers are really huge, each of perfect form, and lasting qualities. In my opinion the finest red garden rose of today.

Price, each \$1.25; dozen \$13.00

Jonkeer J. L. Mock (H. T.)

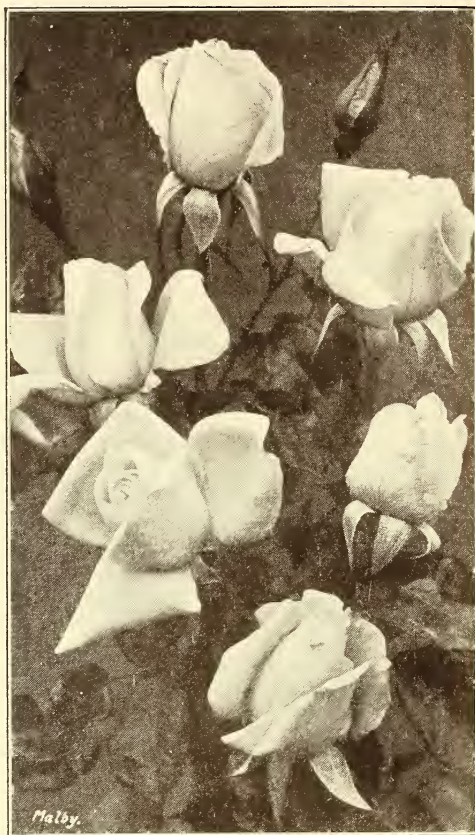
(F) A very distinct, long, full-formed bud that slowly opens into a huge flower showing a deep rich pink in the interior and silvery rose on the outside. Is at its best in late summer.

Lady Ashtown (H. T.)

(F) Large globular blooms of a delightful shade of orange and pale pink. Vigorous habit; gives an abundance of flowers throughout the entire summer.

Prices, any of the above (except where noted) each \$1.00; dozen \$10.00

Eight



GOLDEN EMBLEM



Lady Alice Stanley (H. T.)

(F) Large, full, very fragrant blooms borne on strong upright stems. The color is a pleasing combination of soft salmon-pink, coral-red and orange. An uncommonly handsome rose.

Lady Ursula (H. T.)

(F) A beautifully clear pink rose of very vigorous habit and great lasting qualities.

Madame Edouard Herriot (Pernetiana)

(F) Known as the "Daily Mail Rose," having received this publication's award of \$10,000 in England. The color is an extraordinary blending of shrimp-pink, yellow, coral-red and scarlet. The buds are not overlarge but produced in great quantities, borne well above its clean glossy foliage. A wonderful rose and very hardy.

Each \$1.25; dozen \$13.00



LADY ALICE STANLEY

Mrs. Aaron Ward (H. T.)

(F) An old rose still classed among the better garden varieties. The color is rich yellow flushed with salmon pink; the buds are oblong and pointed, opening into very full well-shaped blooms and produced in great quantities, all summer and autumn. By all means include this one.

*Prices, any of the above
(except where noted),*

each \$1.00;

dozen \$10.00



WILLIAM C. DUCKHAM

Los Angeles (H. T.)

ONE OF THE SENSATIONAL NEW AMERICAN ROSES

(F) The sensational rose of the past decade. The color is an odd but delightful combination of orange, coral-pink and flame shades. The buds are oblong and pointed, unfolding to an immense size, revealing all the wonderful shades. It has a delicious perfume and is a profuse bloomer throughout the year. A rose garden is incomplete without it.
Each \$1.25; dozen \$13.00



Photo by Malby

LOS ANGELES

Madame Caroline Testout (H. T.)

(F) An old rose still in the running with the best of later introductions; beautiful clear satiny rose-pink.

Madame Jules Bouche (H. T.)

(F) Handsome white blooms, with centers shaded primrose or lightest blush—varies; fragrant. Considered one of the best of its color. It has many good qualities to commend it, being a very vigorous grower, and developing into a well-shaped bush; a most persistent bloomer until late fall.

Miss Cynthia Forde (H. T.)

(F) Large, full, beautiful flowers of deep, brilliant rose-pink, with light rosy pink reflex; has a distinctive perfume. Grows vigorously and blooms freely until late autumn.

Premier (H. T.)

(G) Another rose of recent introduction that made quite a hit. It is considered the best self-pink rose today. The color is pure rose-pink; the blooms are large and oblong, borne on long, thornless stems. A cut-flower variety of exceptional merit.

Prices, any of the above (except where noted) each \$1.00; dozen \$10.00

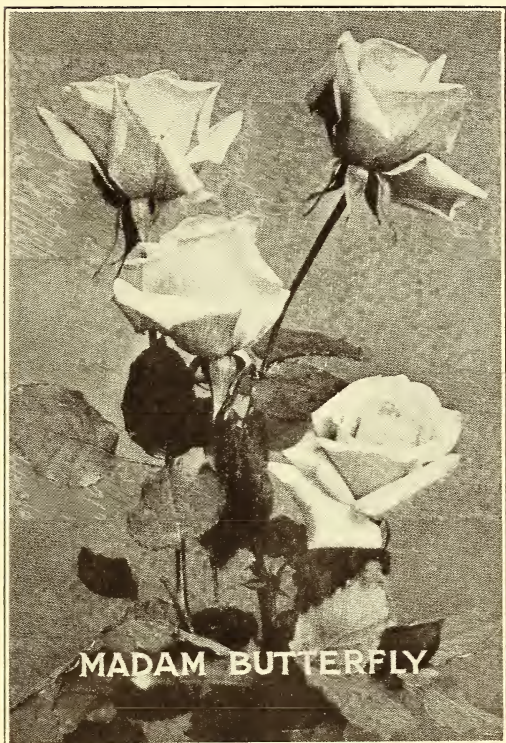


Two Grand Everblooming Garden Roses

Madame Butterfly (H. T.)

(F and G) A very fine rose very similar in shape and habit to Ophelia. Color is salmon-pink richly suffused with yellow.

Although this rose is one of the finest forcing roses, it also has proved itself worthy of first consideration for garden use. It is a healthy, vigorous grower, and blooms freely throughout the entire year.

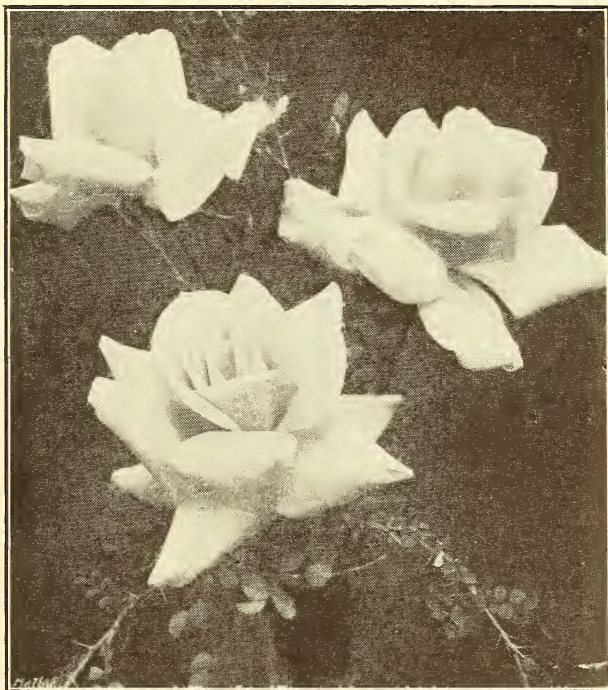


Ophelia (H. T.)

(F and G) A rose that caused quite a sensation when introduced, earning a reputation that it still upholds. The color is salmon-pink toning to orange-yellow at the base. Buds are pointed and blooms very full. It never fails to provide its share of cut flowers from your garden throughout the year.

I exhibited large vases of this variety at the great New York International Flower Show last year, which were greatly admired by the thousands who visited the show. For the past three years I have urged my numerous patrons to plant it freely in the garden, and have yet to receive my first complaint of any lack of vigor, hardiness, or blooming qualities.

Prices, Any of the above varieties, each \$1.00; dozen \$10.00

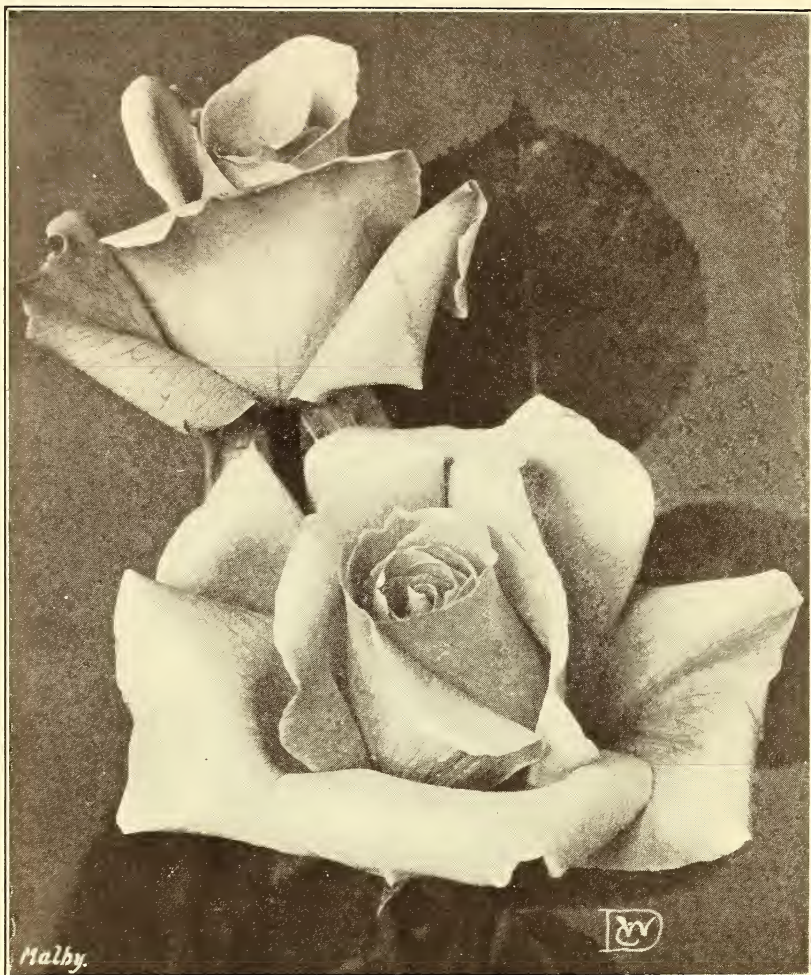


OPELIA



WILLIAM C. DUCKHAM

"My Field Rose Plants" are American-grown, well ripened, worked on the Multiflora stock, known for its thorough hardiness, and its ravenous feeding propensities, whereby it produces vigorous well-branched bushes and enormous flowers.



SUNBURST

Red Radianc (H. T.)

(F) A rose of vigorous habit and profuse bloomer. In color it is a deep rich crimson-scarlet; the blooms are very large and produced in great quantities until late autumn. An excellent garden rose.

Price, each \$1.00; dozen \$10.00

Souvenir de Claudius Pernet

(Pernetiana)

(F) Without a doubt the finest real yellow everblooming garden rose. The buds simply cover the plant, and are beautifully pointed, opening into full rich canary-yellow blooms, "a color that lasts." Foliage is clean and glossy, of a real tea-rose appearance. I have only a limited quantity to offer this year of this lovely new rose.

Price, each \$2.00; per dozen \$20.00

Twelve



Sunburst (H. T.)

(G) Another rose in the yellow class of real merit. The blooms are full and globular and when fully open reveal a glorious blending of rich yellow and burnt orange. Good flowers may be gathered well into the fall. A vigorous grower and exceptionally profuse bloomer.

White Killarney (H. T.)

(G) There are few white roses that surpass this, hence its inclusion in almost every garden collection. The flowers are pointed, of the purest white, borne in immense numbers all summer long. A general favorite everywhere.

Prices, Any of the above, each \$1.00; dozen \$10.00

Climbing Roses



What more beautiful screen for objectionable buildings or service yard than Climbing Roses?

The ease with which Rambler Roses can be trained in almost any desired shape make them the ideal climbers for arbor, trellis, fence or porch.

Their usefulness is unlimited in the effective way by which unsightly buildings and service yards may be screened, while fences and walls can be made picturesque by their judicious use. Frequent trimming and tying-in of the new growths will help to preserve their neat appearance.

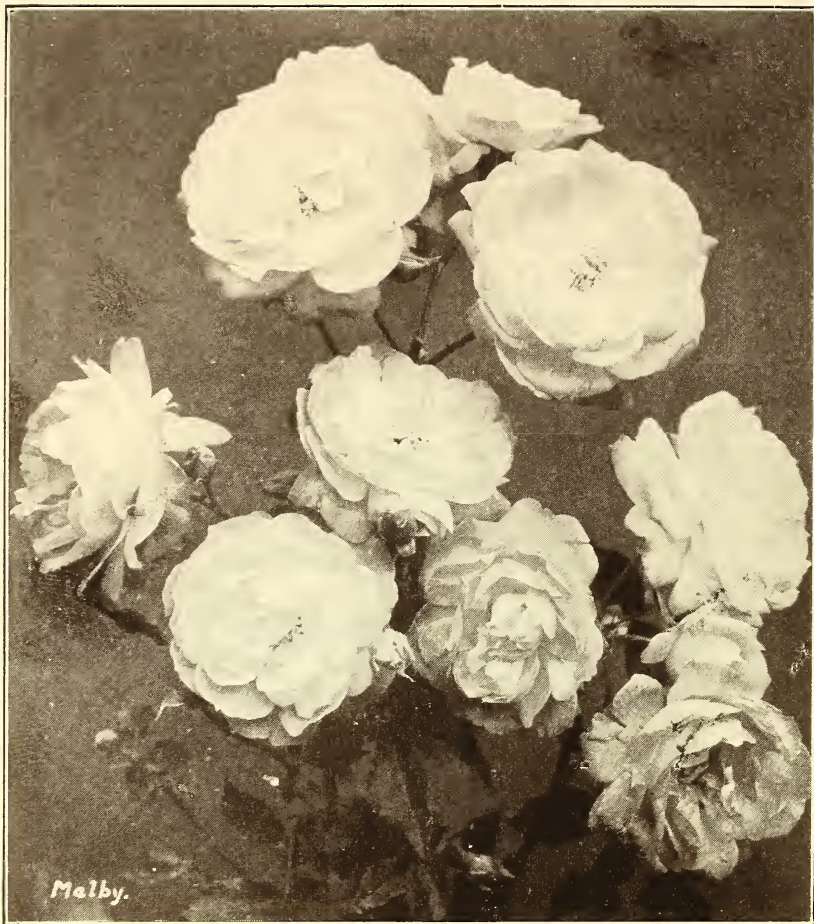
When in bloom there is nothing to equal the wonderful display of color and such a variety of color as the Rambler Roses present; and even when they have finished blooming their glossy green foliage is quite as effective as the best evergreen or deciduous shrub one could select.

I am herewith listing 5 of the best varieties, all hardy and vigorous kinds in 5 distinct colors.



WILLIAM C. DUCKHAM

CLIMBING ROSES



PAUL'S SCARLET CLIMBER

AVIATEUR BLERIOT. (New) Saffron-yellow shading to golden yellow; flowers are produced in large and abundant sprays.

DR. HUEY. Totally different from any other Rose in existence. Its semi-double flowers are dark crimson-maroon or deepest scarlet, and showing a small cluster of light yellow stamens. The flowers are large and usually borne in clusters.

DR. W. VAN FLEET. Its perfectly formed buds are long and pointed, deep clear pink, and produced on individual long stems. As the Rose opens, the color changes and retains its beauty.

PAUL'S SCARLET CLIMBER. Of a clear, vivid, shining scarlet, in large, semi-double flowers which remain unusually long and in good condition on the plants. These flowers never turn blue, but retain their intense coloring until the petals fall.

SILVER MOON. An indispensable new climber. Buds are semi-double, creamy yellow, opening pure white, forming a wonderful contrast with the central bunch of stamens.

Prices, Any of the above choice Climbing Roses,
each \$1.00; per dozen \$10.00

My Own Specialties in HARDY PERENNIAL PLANTS



View of my exhibit at the great New York International Flower Show

My experience at the great 1923 New York Spring Flower Show

At all great Flower Shows, where prominent amateur and professional gardeners congregate, there are always a few exhibits that particularly interest these enthusiasts, upon which they delight in exchanging views.

As I overheard comments passed by many ladies and gentlemen, when they stopped to admire my exhibit of *Delphiniums* at the Great New York International Flower Show last spring, I became conscious of the fact that I had something that they, in all their years of gardening pleasures, had never before seen, and I was particularly delighted when many of them, whose gardens I knew possessed wonderful floral novelties, eagerly placed orders for some of my plants.

They were genuinely enthusiastic in their praise of my strain, stating that it contained many new shades and flower formations hitherto unknown to them. It is needless for me to add further eulogy to the opinions of such experts, and I offer to you what I believe to be the finest strain of *Delphiniums* in creation. (See pages 18 and 19.)

A medal (reproduced at left) was awarded to me for my exhibit of Delphiniums.





WILLIAM C. DUCKHAM



"No formal garden can ever surpass the natural beauty of a well-planned old-fashioned border."

Cultural Hints

Every group or border of Perennial plants should be planted according to some prearranged scheme and with a definite object in view. A rough plan should always be made and the different varieties located in their proper places, keeping in mind the height and color of each. It is desirable to place hardy borders where a background of dwarf trees or shrubs aids in setting off the beauty of the flowering plants.

If such is not available a vine covered fence or wall answers very well, though a special planting of dwarf evergreens and flowering shrubs is comparatively inexpensive, easily accomplished and will amply repay for the little extra trouble involved.

Preparing the Ground.—The ground should be spaded over to a depth of from eight to ten inches—if virgin soil, turn the sods under where they will rot and form a good fibrous loamy foundation for the border. Spread well-rotted manure over the bed after the first spading, and mix it thoroughly through the top 4 or 5 inches. Slaked lime is a valuable aid to the development of young roots on the growing plants and helps to purify the soil.

Planting.—A scoop trowel is the most practical tool to use. Lay the plants in their respective positions according to your prearranged plan—keep the taller growing varieties to the rear of the border, selecting varieties of lower stature as you proceed to the front. The distances apart depends upon the height.

(Continued on next page)



Delphiniums, Hollyhocks, Digitalis, and others of similar height require at least 3-foot intervals. Dwarfier kinds from 18 inches to 2 feet, while edgings of Arabis, Dwarf Phlox, Sedums, etc., may be planted as close as 6 inches if quick effect and massed color is desired.

Color must always be considered and careful thought given to contrasts and harmonious blending, thus avoiding later lifting and regrouping.

Every perennial border should receive a light covering of dry litter, such as grass clippings, leaves, or strawy manure after the first severe frost has nipped everything down in the late Autumn. A light covering of rotten manure previously laid over and around the plants is also desirable; this can be turned under with a fork in the Spring.

Prices and Shipping Instructions

Prices.—Experience has shown me that 3 plants of a kind are the least that make a respectable showing in a border, and it makes it so much easier to assemble, label and pack orders in this manner that I am making a liberal reduction in the price for those who order this quantity. It takes considerable time and care to assemble large orders of one of a kind and I consequently charge more for plants so ordered—I make exception, however, in the case of the new Delphiniums which are priced for single plants.

Plants by Parcel Post.—If to be sent by parcel post add postage as follows: Single plants, **5c**; 3 plants, **10c**; 6 plants, **15c**; 12 plants, **25c**. I accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express.—I recommend this mode of transit where quantities are over 18 to 24 plants. All orders are carefully packed by expert hands, but I accept no responsibility for delays over which I have no control that may cause injury to the contents. Always state how you wish your order shipped, *express* or *parcel post*.

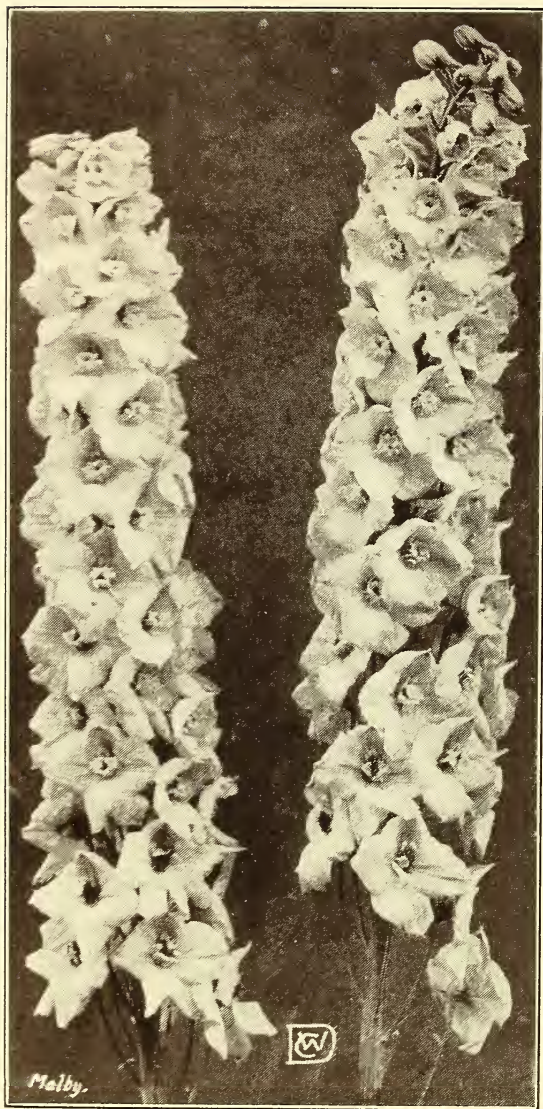
Responsibility.—Although exercising the utmost care in packing and routing orders, I cannot be responsible for damage due to the negligence or rough handling of common carriers. If the container appears damaged on arrival sign for it as damaged and make claim on the express company. If considerable delay in transit would indicate fatal damage to contents, refuse delivery and I will refill the order and make claim for loss.

All shipments should be opened and unpacked immediately on arrival; if dry, the plants should be watered and planted as soon as possible.



WILLIAM C. DUCKHAM

Duckham's Delightful Delphiniums (Hardy Larkspur)



DUCKHAM'S INIMITABLE DELPHINIUMS

named kinds in creation. Visitors at my trial grounds proclaim them the best they have ever seen. Those who wish to perfect their already much prized borders cannot afford to overlook these wonderful hybrids. (Awarded large medal at New York International Flower Show, Spring 1923.) See page 15.

Price, Field-grown, each \$1.00; dozen \$10.00; 100, \$80.00

Price, Pot-grown, each 75c; dozen \$6.00

Delphiniums without a doubt are the most beautiful of all Hardy Garden Flowers, providing many wonderful shades of that indispensable color (blue) of which we have far too little amongst flowers. In addition to their delightful colorings, their stateliness of habit is most marked, forming as they do the most conspicuous pillars in every mixed border.

They are all extremely hardy, and well-established clumps in the border provide, year after year, wonderful spikes of majestic size and great beauty. They are also very desirable for cutting for indoor decoration, lending a delightful tone to mixed flower gatherings, harmonizing extremely well with yellow and orange colored flowers.

Duckham's Inimitable Mixed Delphiniums

Duckham's Inimitable Mixed, here offered are the newest, the best and the finest to be secured anywhere. The range of colors varies from the palest shade of blue to the deepest indigo blue and royal purple with many intermediary pastel tones of mauve, pink and lavender blendings. Among these new hybrids are flowers of huge size in both single and double forms. This strain has been raised from seed saved from the finest



New and Rare Named Delphiniums

BLUE BOY. A rich, deep blue single, with white eye. Extremely vigorous and tall. Mammoth spikes.

LORD DERBY. Deep rosy-mauve with white center. Large pips placed on a fine spike. A prize-winner anywhere.

GENERAL SIR DOUGLAS HAIG. One of the finest Delphiniums in existence. Color is a charming blend of rich purple and vivid blue. The individual florets are extremely large, developing a spike in width and size of enormous proportions.

BLUE KING. A fine flower of deep rich blue with black center. One of the best of all the deep shades.

DUSKY MONARCH. Enormous spikes of rich purple flowers with black center. Fine exhibition variety.

GLORY. Delicate mauve, shaded rose; a sturdy plant with tremendous flower trusses.

LADY HAMMICK. A very lovely variety, the color being a beautiful shade of medium blue, with white eye. Single flowers well placed on extra long spike.

LORD CURZON. Marine-blue sepals, light aniline blue with white eye; fine, compact spike of huge size.

MILICENT BLACKMORE. Extremely large full spike. Flowers are clear mauve with dark eye. One of the best.

MONARCH OF ALL. A semi-double variety of exquisite form. Color, rich violet and purple with brown eye; large spike.

QUEEN MARY. Semi-double flowers of an exquisite silvery blue with white eye; very uncommon.

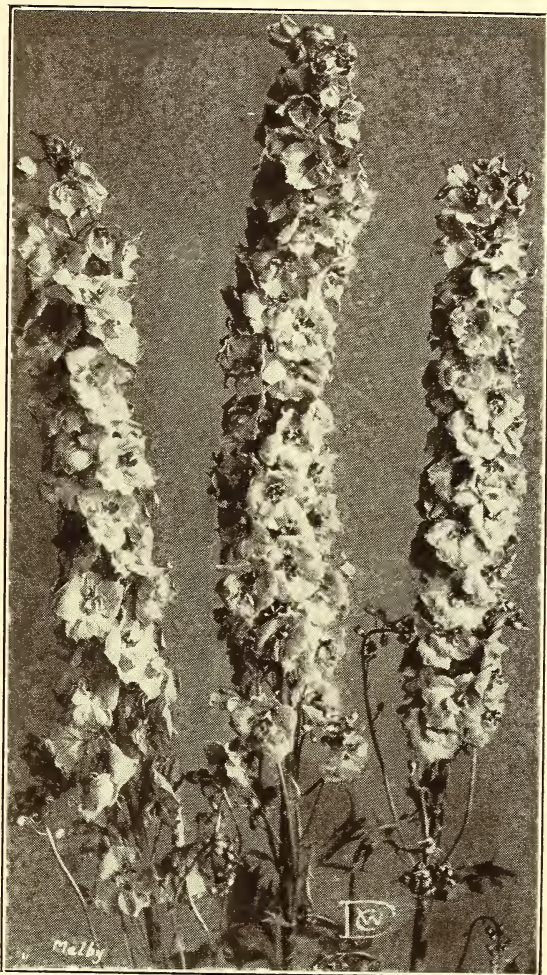
CAPTAIN ALCOCK. Bright blue, slightly tinged violet, with white eye. A magnificent spike and delightful color.

LLOYD GEORGE. The gem of all Hardy Larkspurs. The individual pips are almost 3 inches across, forming a spike of giant size. Color, bright blue and violet, with white eye. Has won laurels wherever exhibited.

KITTY WARDELL. Lovely sky-blue with lavender inner petals; a nearly double flower of rosette form; new and distinct.

SMOKE OF WAR. Deepest, reddest violet and purple with a large black center; semi-double flowers.

ADMIRAL BEATTY. Deep velvety blue, violet inner petals, blue and white eye. Large pips forming giant spikes.



GENERAL SIR DOUGLAS HAIG

Prices, all the above named varieties, strong field divisions, each \$2.00



WILLIAM C. DUCKHAM



Pyrethrum

(Painted or Persian Daisy) 2-3 ft. May-Sept.

For profusion of flowers in season nothing can surpass the charming variety of the Pyrethrums. They are easily and simply cultivated and are recommended to all who possess an old-fashioned garden, whether large or small. They are perfectly hardy, are not injured by storm or sun. The flowers are bright and showy in the garden and are borne on long stiff stems which make them most desirable for vase decoration. They are very well named "Spring Chrysanthemum" and are often called "Poor Man's Chrysanthemums."

Queen Mary

Langport Hero

Fire Dragon

Baby K.

Lady Langport

Prices, any of the above, dozen \$3.75; each 40c

MADISON, N. J.



Aquilegia

(Columbine) 2-3 ft. May-July



Duckham's Improved Long-spurred Hybrids

With their odd shapes and delightful shadings Aquilegias are among the best of all Hardy Garden Plants. They thrive in almost any location, but prefer a partial shady and moist position. The kinds offered in this strain are perhaps the best and most beautiful in existence, having very long spurs and most charming delicate colors, including *Pink*, *Blue* and *Lavender*, *Red*, *Cream* and *White*, that are decidedly new and interesting.

Price, per dozen \$4.50; 3 for \$1.25; each 50 cents

Twenty-one



WILLIAM C. DUCKHAM

Gaillardia

(Blanket Flower) 2 ft. June-Oct.



GAILLARDIA—New Hybrids

The planting season for Gaillardias is either spring or autumn and they may also be planted from pots in the summer.

The Gaillardias are among the most successful of hardy perennials and give a most striking effect when planted in bold groups or in a bed by themselves. They are equally effective, however, in mixed borders. They seem to thrive in the most extreme drought and the greater scarcity of other flowers the more the utility of this hardy perennial is demonstrated. They will bloom perpetually from June to November and pro-

vide quantities of cut flowers which when kept in a cool room will last over a week. The following list of varieties has been selected as the best, the colors ranging from burnt orange, brick red, scarlet to deep crimson, with yellow margins.

Duckham's New Hybrids

Goddess
Mrs. G. Vaughan
Golden Prince
Belgian Monarch

Agnes Mary Kelway
King George
Lord Byng
Capt. Cutte

Assortment from the above named varieties (my selection.)

Prices, per dozen \$4.50; 3 for \$1.25; each 50c

MADISON, N. J.



SCABIOSA—Duckham's New Hybrids

DUCKHAM'S NEW Scabiosa Caucasica

(Blue Bonnett or Pin Cushion Flower)

2 ft. June to Sept.

Duckham's New Hybrids. A decided improvement on the old Scabiosa both in form and color, all lavender and blue, somewhat of the shade of that extremely popular annual *Didiscus Coerulea* (Blue lace flower); all those who are familiar with the latter will surely want my new Scabiosa. The assortment also contains a liberal proportion of rich blue and white shades.

Price, per dozen \$5.50; 3 for \$1.50; each 75c

Twenty-three



WILLIAM C. DUCKHAM

General List of Better Known Hardy Perennials



ARABIS ALPINA, on garden wall

Achillea Ptarmica

"The Pearl" (Millfoil or Yarrow)

2 ft. June-September

Indispensable in every border both for their graceful appearance and usefulness for indoor decoration. Flowers are pure white and literally smother the foliage in their great profusion.

Price, 3 for 80c; each 35c

Anchusa Italica

4 to 5 ft. May-July

Dropmore Variety—A large spreading bushy plant, requiring plenty of room to develop its great beauty. This variety is a great acquisition and improvement on the old type and of extremely vigorous constitution. Its flowers are of deepest blue, borne in immense sprays.

Price, 3 for 65c; each 30c

Arabis Alpina

(Rock Cress) 6 in. March-June

An excellent dwarf plant for rockwork, borders or carpeting where massed color effect is desired, covered during its blooming season with myriads of snow-white flowers.

Price, 3 for 50c; each 25c

Anthemis Tinctoria

1½ to 2 ft. June to September

Better known as the hardy Marguerite. Thrives in almost any soil without much attention. Deep golden yellow, daisy-like flowers; ideal for decorative purposes.

Price, 3 for 65c; each 30c

Boltonia

4 to 6 ft. July to October

Latisquama—A fine plant for borders or shrubberies, requires plenty of room for full development. Flowers resemble large white daisies or single asters and are borne in great profusion lasting a long time both on the plant or in water. Worthy of liberal planting.

Price, 3 for 85c; each 35c



Bellis Perennis

(Hardy English Daisy) 4-8 in. *April to June*

An ideal plant for borders, but most effective when massed as a carpeting to taller plants, particularly the popular late flowering tulips which bloom at the same time. The following have extremely large flowers, completely double, showing no "eye" as in the common *Bellis Perennis*.

Tubulosa—Double flowers of a peculiar quilled formation. New and distinct.

Pink Princess—Large flowers of a delicate pink shade.

Monstrosa—A monster variety, the largest of all; flowers from 1 to 1½ inches in diameter, of deep rose-pink shade—grand for spring garden.

Price, Any of the above, dozen \$2.50; 3 for 65c; each 25c

Buddleia Variabilis Veitchiana

(Summer Lilac or Butterfly Bush) 3-5 ft. *August to October*

In mild climates this is really a hardy shrub, but as our northern Winters usually kill it to the ground (and sometimes if unprotected kill it entirely) I am including it among my Perennial Plants, and one of the best at that. There is no danger of winter killing it if it gets the usual protection of litter or leaves that all herbaceous plants need. Each Spring it throws out vigorous growths that develop all Summer to terminate in August and September in tapering spikes of a beautiful lavender-mauve shade. Give it plenty of room, for in itself it is a perfect model of exquisite form and color. If it does not die to the ground in Winter cut it back each Spring.

Price, Strong roots, 3 for \$1.50; each 75c



THE GRACEFUL "BUTTERFLY BUSH"



WILLIAM C. DUCKHAM

Campanula

(Harebell and Canterbury Bells)

A very important class of plant varying in height from 6 in. to 6 ft., of extreme beauty and easy cultivation. They thrive in almost any garden soil, but do much better if placed in a well drained rather rich sandy loam. The following are the best varieties.



CAMPANULA CARPATICA

Carpatica Alba (True Harebell) 9 in. *July*. Dwarf spikes of pure white flowers. Excellent for edgings and massing.

Price, 3 for 85c; each 35c

Carpatica (Blue) 9 in. *July*. Blue form of the preceding.

Price, 3 for 85c; each 35c

Persicifolia Alba (Peach-leaved Campanula) 2 ft. *July*. Graceful spikes of white flowers; very hardy.

Price, 3 for 85c; each 35c

Pyramidalis (Chimney Bellflowers) 5-6 ft. *August-September*. Throws up huge stems, covered three-quarters of their length, with deep blue flowers—exceedingly effective for the back row of a border. (*Try this with lavender Delphiniums and Lilium Candidum, giving it an early start in pots in a cold frame.*)

Price, 3 for \$1.00; each 40c

Campanula Medium (Canterbury Bells) 2 ft. *June-July*

Old fashioned, well known, yet indispensable in every hardy plant border. Offered in separate colors, Rose and Blue.

Price, dozen \$2.50; 3 for 65c; each 25c

Chrysanthemum Maximum

(Hardy Daisy) 2-3 ft. *June-August*

King Edward VII—Pure white, one of the largest and best. Flowers of fine form. One can hardly plant too much of this most useful and beautiful flower. It thrives almost anywhere, and provides continuously, during its season, quantities of blooms for indoor decoration.

Price, 3 for 85c; each 35c



Coreopsis

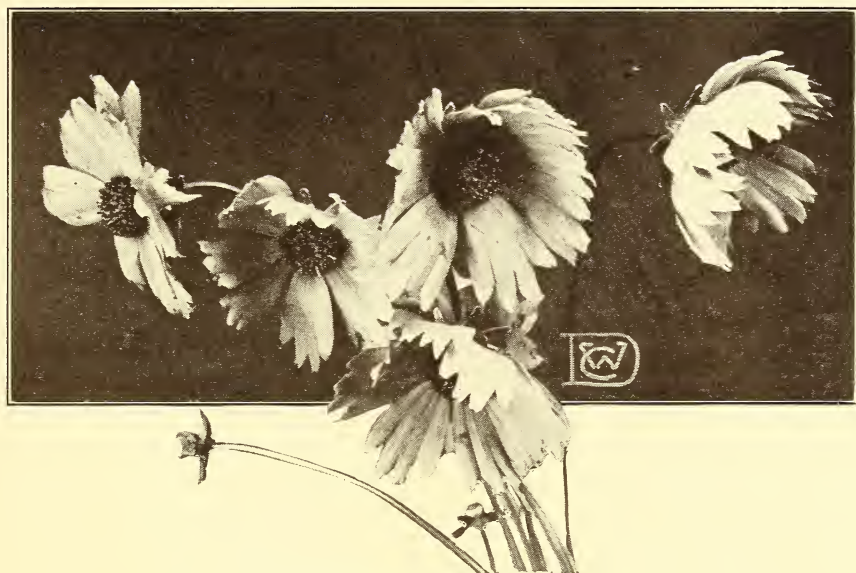
(Tickseed) 2 ft.

One of the most popular hardy plants. The flowers are a rich golden yellow of a beautiful, graceful form and bloom from June to October.

Grandiflora. 2 t. Large orange-yellow flowers on long, graceful stems.

About the best yellow cutflower blooming incessantly.

Price, Dozen \$1.75; 3 for 65c; each 25c



COREOPSIS GRANDIFLORA

Dianthus

(Hardy Pinks) June-October

A very interesting class of plants, with dainty flowers, characteristic of the kinds that really belong to old-fashioned gardens.

Deltoides (Maiden pink). Dwarf. Beautiful pink flowers, fine for edging.

Plumarius Semperflorens (18 in.). Very fragrant, pink and white. Fine for cutting.

Prices, Either of above, dozen \$2.50; each 35c

Digitalis

(Foxglove) 3-4 ft. July-August

The tall flower-spikes of the foxglove are particularly handsome when grown among shrubbery or naturalized in odd places in bold masses. As a background for plants of dwarfer habit they are very attractive.

Grandiflora, yellow; **Mixed**. **Purpurea**, purple; **Superb**, white; **Maculata**, spotted.

Prices, Any of the above, 3 for 85c; each 35c

Geum

(Avens) 12-18 in. June-September

Mrs. Bradshaw. Brilliant double orange-scarlet flowers; blooms fully throughout the summer, being especially desirable for cutting both for its attractive color and lasting qualities.

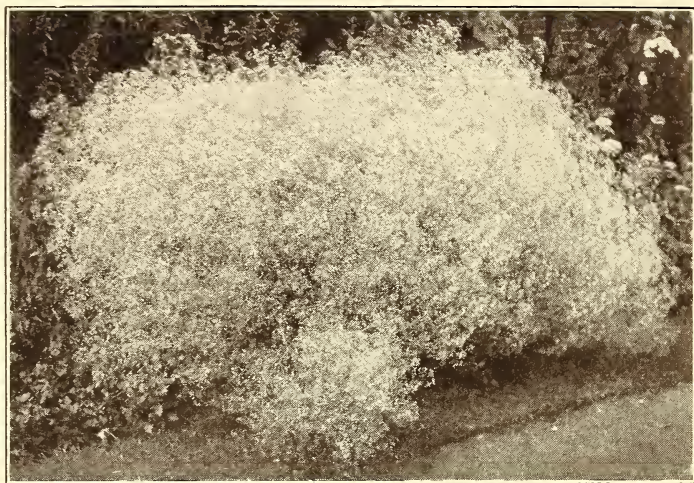
Price, 3 for 85c; each 35c



WILLIAM C. DUCKHAM

A TYPICAL PLANT
OF GYPSOPHILA
PANICULATA

*"The light graceful
sprays of Gypsophila
Paniculata form an
ideal companionship
in bouquets of other
cut flowers."*



Gypsophila Paniculata

(Baby's Breath)

2-3 ft. July-August

A very valuable perennial because of its light, graceful form and the charm it adds to mixed bouquets of other flowers. The blooms are small, borne in great quantities in loose white panicles. Will grow and thrive in almost any soil.

Price, Dozen \$3.75; each 35c

Hollyhock

(Althea Rosea)

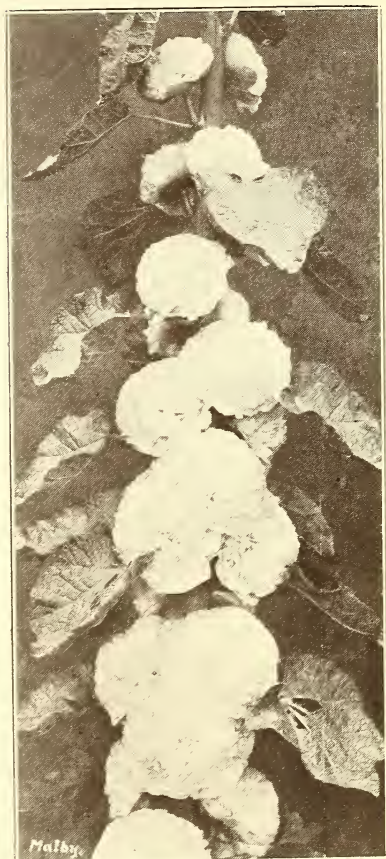
6-8 ft. July-September

One of the best known of all hardy plants and a necessity in every old fashioned garden, where a place in the background should be assigned to it either in solid lines or frequent groups. My strain is indeed very wonderful, the flowers being extremely large, double and unique in color.

DUCKHAM'S IMPROVED STRAIN in following colors:

Sulphur Yellow
Crimson
Palling Bell
White
Rose
Salmon
Bright Rose

Price, Any of the above, dozen \$3.75; each 35c



A FINE SPIKE OF
DOUBLE HOLLYHOCK

Twenty-eight



Hardy Irises

(Fleur-de-Lis) May-June

Irises are to be found even in the humblest garden, often without a sole companion. All are lovely and everybody loves them. They are easily grown and increase very rapidly. The colors cover almost every imaginable shade from white to violet, and the markings and veinings in the petals are truly exquisite. They like a well drained soil and plenty of sunlight, and when massed on the edge of the border or near the brinks of ponds or streams the effect is remarkable. I offer them in 5 separate shades assorted from the better named varieties.

Light Blue and Lavender

Deep Blue and Violet

Bronze shades

Yellow shades

White and light shades

Price, 100, \$15.00; dozen, \$2.50; 3 for 65c



HARDY IRISES

Lupinus Polyphyllus

(Hardy Lupin) 3-4 ft. June-September

The hardy perennial varieties of the Lupinus are extremely handsome and stately, bearing their beautiful flowers of rose, white, blue, in graceful spikes that are more than a foot in length. They are certainly among the most striking of hardy perennials, and bloom continuously and profusely during the summer. They grow very compactly. They are excellent for grouping or massing in separate colors, and they suit themselves to almost any position in the border, making a good cut flower of easy culture, requiring ordinary moist soil.

I believe that those who love this valuable flower will be delighted with the new shades that are included in my hybrids. The spikes, too, are much larger than found in ordinary Lupinus Polyphyllus.

Tanac	Delight
Highlander	May Princess
Ghillec	Pink Pearls
Seaside	Mt. Everest

Assortment from the above,
Price, Per dozen \$4.50; each 50c



A BORDER OF FINE LUPINS



WILLIAM C. DUCKHAM

Lychnis

(Maltese Cross)

2-3 ft. June-August

Chalcedonica (Jerusalem Cross).

This is a very desirable perennial to plant liberally; because of its extreme brilliancy, there are few other flowers that can so effectively produce those bright spots in a border, that contrast so wonderfully with blues, whites, and deep reds. It has a long flowering period and is ideal for cutting. The flowers are fiery scarlet, borne in immense clusters, each flower forming a distinct maltese cross. Excellent for massing in borders and beds.

Chalcedonica Alba. White flowers of the same form as the preceding.

*Price, Either of above,
Dozen \$3.75; each 35c*



ORIENTAL POPPY "SUNBEAM"

Myosotis

(Forget-me-not) 6-12 in. May

Alpestris, Royal Blue. The dainty Forget-me-not loves a cool moist soil, and like the pansy, blooms most freely in early spring, and quickly establishes itself by self-seeding. Royal Blue is a rich deep blue of remarkably free-flowering habit.

Price, Dozen \$2.50; 3 for 65c; each 25c

Papaver Orientale

(Oriental Poppy)

Sunbeam. The old oriental poppy is a well-known favorite and has no equal for brilliancy of color. This variety is of recent introduction and will be prized by those who desire something different and better than the ordinary crimson and scarlet shades. The color is a bright salmon-scarlet with the usual purple and black basal blotch. A striking contrast when fully open.

Price, 3 for \$2.00; each 75c

Pansy

(Heartsease) 6 in. April-October

My strain of Pansies is well known, for I have taken no end of pains to develop it by careful "rogueing" each year, to eliminate everything that does not conform to my idea of Pansy perfection both in form, size and color. Visitors at my trial grounds proclaim it the best they have seen.

International Prize Blue International Prize Show International Prize Mixed

Price, Per 100, \$10.00; per dozen, \$1.50



Phlox Decussata

(Perennial Phlox) 3 ft. June-October

Elizabeth Campbell. I have an exceedingly fine healthy stock of this scarce but extremely popular variety. There is probably no better variety grown, and nothing that resembles it in color—a lovely salmon-pink with lighter edges and deep rosy red eye. The individual flowers are large, borne in immense trusses.

*Large field divisions,
Price, Dozen \$5.00; 3 for \$1.50;
each 75c*



PHLOX—Elizabeth Campbell

Platyodon

(Chinese Balloon Flower)
18 in. June-October

Grandiflora. Derives its synonym from the resemblance of the distended bud to a miniature balloon, which when open has the form of a Campanula. It is an extremely handsome border plant with deep blue flowers of lasting qualities either on the plant or when cut.

*Price, Dozen \$3.00; 3 for 85c;
each 35c*

Rudbeckia

(Cone Flower) 3 ft. July-October

Purpurea. Also called Echinacea Purpurea. Peculiar reddish purple flowers, with a very large brown, cone-shaped center. Thrives in ordinary garden soil.

Price, 3 for 85c; each 35c

Salvia

(Sage) 2-3 ft. July-October

Farinacea. This beautiful Salvia is worthy of a prominent position in every herbaceous border. Although it is of tender constitution, it will withstand the severe winters prevalent in the Eastern States, with ordinary winter protection. The plant grows vigorously and produces its flowers in profuse spikes, the color being a delightful shade of pale blue.

Price, Per dozen \$3.75; each 40c



WILLIAM C. DUCKHAM

Sedum

18 in. August-October

Spectabile. A very valuable hardy plant that deserves liberal planting along the edges of Hardy Borders. It has thick succulent green leaves surmounted by huge flowering heads of thickly-clustered minute pink flowers.

Price, Dozen \$3.75; each 35c

Sweet William

(*Dianthus barbatus*)

18 in. June-July

An old-fashioned hardy perennial which should not be left out of the list of beautifully colored, sweet-scented old-fashioned flowers.

Scarlet Beauty—Brilliant

Scarlet

Holborn Glory

Variegated

Pink

Red and White

Dark Red

Price, Any of the above,

Dozen \$2.50; 3 for 65c; each 30c



SEDUM SPECTABILE

Statice

(Sea Lavender) 18 in. July-August

Latifolia. Plants with prostrate leathery leaves and immense candelabra-like heads. Very valuable either for the border or rockery. Purplish blue minute flowers in large sprays frequently 2 feet across. If cut and dried, lasts in perfect condition for months.

Price, 3 for 85c; each 35c

Viola

(Tufted or Bedding Pansies)

These splendid little hardy plants are much prized for their quaint little flowers, peculiarly striped, each self-color having a delightful charm of its own. They increase rapidly, and soon form large colonies covered with their dainty blooms. They prefer a semi-shaded position and a little protection in winter. They make excellent edgings and borders, either in the herbaceous border or around shrubberies.

Golden Yellow

White

Purple

International Prize (Mixed)

Price, Any of the above, Dozen \$3.50; 6 for \$2.00

Thirty-two

THE FOLLOWING ARE SOME UNSOLICITED TESTIMONIALS RECEIVED DURING 1923:

Cleveland, Ohio.

"May I express my appreciation of the roses you have sent me in the past, and especially of the very fine way you have dealt with me. My feelings are very sincere in this respect. It is with some knowledge and experience, as well as strong feeling, that I state my admiration of your more than square dealing, and of the excellence of the stock you sell, in the bargain."

New York, N. Y.

"I want to thank you for your letter of the 26th. This only bears out the reputation for square dealing that you are now enjoying."

New York, N. Y.

"This is to thank you again for the lovely roses. As you recall, I planted them late this Spring. They have been a perfect joy—massed with blooms all Summer—by far the most satisfactory and beautiful flowers in my garden."

Towacco, N. J.

"I enclose a list of roses, and hope you will send me good plants. Those you sent me last year were very fine stock."

Rockford, Ill.

"At the Flower Show in New York City, you had the most wonderful delphiniums I ever saw. Will you please send me one of your catalogues."

Brooklyn, N. Y.

"The roses that I have bought from you in the last three years were just grand, and bloomed till frost killed the buds, and all true to name."

Madison, Conn.

"The roses came promptly and in good condition. I am much pleased with the quality of the plants, and am looking forward to lovely blossoms next June."

Hollis, L. I.

"The roses have bloomed and I am very pleased with them. They all came true to name and are full of flowers."

White Plains, N. Y.

"The roses I bought from you last year were so satisfactory that I am sending you two small orders for immediate delivery."

Cedarhurst, L. I.

"The roses did wonderfully well. Everyone admired Los Angeles and Duchess of Wellington, which had one spray of five blooms."

Englewood, N. J.

"The stock you sent arrived yesterday in excellent condition, and am so pleased would like to order some more roses."

Maplewood, N. J.

"The rose bushes look fine and we are very much pleased and anticipating some fine flowers. Thanking you for your promptness and the correct order, I remain."

Englewood, N. J.

"The roses reached me in safety, and up to the present writing seem to be doing very well, and I am delighted with them."

Seabright, N. J.

"The delphiniums I had from you are very beautiful, and therefore I would like more this fall, and hope the plants will be just as good and strong as last year's."

Glen Ridge, N. J.

"The Perennials I received from you have behaved like real thorobreds, doing beautifully from the moment they were put in the ground."

Englewood, N. J.

"I want to thank you for my plants. They came in excellent condition and are doing beautifully."

